

Datasheet for ABIN7559270  
**EFHB Protein (AA 1-853) (His tag)**



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## Overview

Quantity:	1 mg
Target:	EFHB
Protein Characteristics:	AA 1-853
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This EFHB protein is labelled with His tag.

## Product Details

Purpose:	Custom-made recombinant Efhb Protein expressed in mammalian cells.
Sequence:	<p>MCSFVRVGSP KPLQTSASPL EMSSLRRTRA PEISELGLTP EQKDDIRDRV LRGSKSPTEL GFDLRLEQDR KWRERMGSSE AKSPPCHALG VGLERHTISG TPTMGNLGL HKGSFAFGSK PLGVLPGRVG PENKGLPPRL RYGGTLHPPF STVHASPLAA ESRRRPLAWG SAWTDAVVEK QPVVGLELRK EPEKEPTCVV MNPYPEMPPK EVDIGLPQTQ ESDEAKNTEP LIGLVREPSE CPFAQQPEEK KEPGSTEPGV EPPGNIRPIY SGKFFDRVPC WPSAGVKPV GYRVATCLTE KLPRMLTPPE AKKYFNFRYP PAGAERVFYR RANDPQIAPY LTHGLRSKIS IPMGSLINPQ PITTFQQKIK DKKESIYFSH QRAPLGKSHD QTPGLPKGMD VINTTLGTPT IRELSVRDTV NPSKSFEDVL KEGQEGHDLY TVSHNDYFAG EAKNRKYNPA SFHRFNLYGI PTPHFNDGRT MAKALHWLHE LQMERGAKIV SKRVDDFKEK FQHKLGKVLDP IAETMNVPP GHTFGSCLHP EEYGAGDLIH YRSPDEYLRG KDHQRAVVAA ARHHLKKNH QNFDTLQVAF RHYDKKGDGV IDRAELHEAC VQANLHLDKM LLDHLFDYCD VDQDGLINYL EFANFLNWKD RIPLKEHEKR VVVKGKPPDC ENVTDTSMGE AEPSSLINPE DIVPKEPGSS EETLRTIQRP GDKVSHQYKT</p>

## Product Details

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TSSEINAVVG AVPSMCHPIF GVPTIRSDIS APRIRRVSDM NNYGDEGNAY SLLHPSIFSQ  
KGVFERDFFK TRSKEEISDI LTNIGVKLSK EEFENVWNLAKKKHQRGEVC VETIRNVLDE  
LLHADLVKCK TAM **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

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Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

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Characteristics: Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

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Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

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Grade: custom-made

## Target Details

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Target: EFHB

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Alternative Name: Efhb ([EFHB Products](#))

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Background: EF-hand domain-containing family member B (Cilia- and flagella-associated protein 21),FUNCTION: Cytosolic sensor for calcium, modulates the interaction of STIM1 and ORAI1 upon store depletion and the activation of store-operated Ca(2+) entry (SOCE) and NFAT translocation from cytosol to nucleus (By similarity). Microtubule inner protein (MIP) part of the dynein-decorated doublet microtubules (DMTs) in cilia axoneme, which is required for motile cilia beating (By similarity). {ECO:0000250|UniProtKB:F1MMV1,

## Target Details

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ECO:0000250|UniProtKB:Q8N7U6}.

Molecular Weight: 95.7 kDa

UniProt: [Q8CDU5](#)

## Application Details

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Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months